



Recycling Lines

Electronic Newsletter

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*Virginia Department of Environmental Quality, Division of Environmental Enhancement
P.O. Box 1105, Richmond, Virginia 23218 (804) 698-4029 Fax (804) 698-4224.*

DEQ's Community Involvement Initiative: The Department of Environmental Quality is dedicated to helping the public better understand DEQ's role in protecting the environment, and to involving the public more effectively in environmental decision making.

Welcome to Recycling Lines. If you have suggestions on future topics for the newsletter, please send the information to Steve Coe at gscoc@deq.virginia.gov.

Individual Waste Reduction Model (iWARM)

EPA recently created a consumer version of its [Waste Reduction Model \(WARM\)](#) to help citizens and organizations understand the energy saved by recycling small quantities of common household products, rather than landfilling them. Called **iWARM**, the model uses energy factors to provide the relative energy savings from recycling common household materials. The energy savings are translated into the equivalent amount of electricity, estimating how long that amount of electricity will operate a variety of household appliances.

iWARM estimates the energy benefits of recycling rather than landfilling the following products: aluminum can (12 fl. oz.), metal coat hanger, steel can (15.5 fl. oz.), glass bottle (12 fl. oz.), glass bottle (0.75 liter), gallon plastic (HDPE) milk jug, gallon plastic (HDPE) detergent container, plastic grocery bag, plastic (PET) bottle (20 fl. oz.), plastic (PET) bottle (2 liter), 2' x 2' x 2.5' corrugated cardboard, weekly magazine, catalog, daily newspaper, 12-inch stack of newspaper, printer paper (1 ream - 500 sheets), white business envelope, or a paperboard cereal box.

iWARM translates the energy benefits into hours of operation of your: room air conditioner, ceiling fan and window fan; clothes washer and dryer; dishwasher, with and without the drying cycle; 60 watt incandescent light bulb, and the equivalent compact fluorescent lamp (CFL); laptop computer; 36" CRT television; or a hairdryer. To use the model calculator, visit this website:

<http://www.epa.gov/epawaste/conserve/tools/iwarm/index.htm>

Executive Order 82 Guidance Available

DEQ has [posted important information](#) for state agencies and institutions concerning [Executive Order 82](#) regarding "Greening of State Government." As outlined in the EO, every agency and institution must either notify DEQ by July 1, 2010, of their intention to achieve VEEP E2 status by July 1, 2011, or develop environmental policies for energy use, water use, waste reduction and travel by July 1, 2010.

For those agencies opting to develop policies, there are sample policy statements and pollution prevention strategies available at www.deq.virginia.gov/p2/EO_82.html.

Did You Know?

- ✓ That the federal "CASH FOR CLUNKERS" program was a recycling initiative as well as an environmental program? It is estimated that the program sent 250,000 cars to scrap yards for recycling.
- ✓ Recycle Glass Week – The Glass Packaging Institute has set September 21-27, 2009, as Recycle Glass Week. Promotions will highlight that recycling glass containers and using this material for new glass manufacturing at a 50% level could save enough energy to power over 45,000 households for 1 year.

RMA issues U.S. Scrap Tire Market Report

According to the Rubber Manufacturers Association, over 90% of tires that are replaced and discarded each year are put to productive use. In its ninth Biennial Scrap Tire Market Report, the RMA reports continuing progress in reducing scrap tire stockpiles and putting waste tire material to new uses.

Key markets for scrap tire material include:

- Tire-Derived Fuel (54% of waste tire rubber usage)
- Ground Rubber (17% of waste tire rubber usage)
- Civil Engineering (12% of waste tire rubber usage)

The report documents a reduction the number of tires remaining in tire stockpiles across the US. At the end of 2007, about 128 million scrap tires remained in these tire piles, a reduction of 87% since 1990.

Visit www.deq.virginia.gov/wastetires for information on Virginia's waste tire program activities and tire management strategies.

Calendar of Events

September 16

**Virginia Manufacturer's Association Meeting,
Richmond**

October 7-8

**Commonwealth of Energy & Sustainability Conference
VMI, Lexington (visit www.vmi.edu/coves)**

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